

# **PUBLIC NOTICE**

## **PERMIT APPLICATION: NRS # 06.015**

**APPLICANT:** West Tennessee Public Utility District  
P.O. Box 568  
Huntington, Tenn. 38344  
731-986-9821

**LOCATION:** Harmon Creek, Olive Branch, tributaries, and associated wetlands, east of Lexington, Henderson County 35.7167 °N, -88.3879 °W to 35.6353 °N, -88.3453 °W

**WATERSHED DESCRIPTION:** The project site is located predominately in the Lower Kentucky Reservoir watershed (TN06040001) within the Harmon Creek basin. The streams involved, Harmon Creek, Olive Branch and associated tributaries, have not been assessed for support of classified uses. The uses designated for these streams are fish and aquatic life, livestock watering and wildlife, recreation, and irrigation. The stream channels range from 2' to 12' wide and 6" to 10' deep, various mixtures of cobble, gravel and sediment substrates, riparian zones from open pasture to forested, and flow from highly intermittent to perennial. The wetlands in the project area are mix of emergent (dominated by rush and sedges, switchcane, or ferns) and forested (dominated by red maple, tulip poplar and sweetgum).

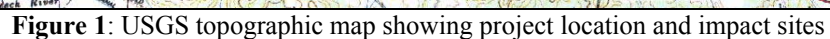
**PROJECT DESCRIPTION:** The purpose of the project is to upgrade and relocate an 8.2-mile section of a natural gas pipeline. The new pipeline will be 12" diameter, located further away from residential homes, and replace the existing 50-year old line. The pipeline construction area is 40 feet wide and will cross streams at 13 points and impact wetlands at 13 places. If flowing water is present in the stream channels at time of construction, the pipeline will be installed by directional boring. If little or no water is present, the streams will be trenched and cofferdams will be set up to aid in piping or pumping flow. The alignment was adjusted to reduce the total wetland impact area to 1.51 acres. The pipeline construction area will temporarily impact 0.44 acres of open pasture/ emergent wetlands, 0.21 acres of wetlands in the current pipeline service area, and 0.86 acres of forested wetlands. Within the wetland areas, timber matting will be used in equipment work zones, the top 12" of wetland soils will be set aside and returned as backfill, and clay trench plugs will be used when porous soils are encountered. All wetland and stream crossings will be graded to original contours and the wetland areas will be allowed to revegetate. A permanent 25' foot service area will be maintained free of trees and brush, per Federal Pipeline Safety Regulations. This will affect approximately 0.54 acres of currently forested wetland.

In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the proposed activity will not result in degradation to water quality.

**PERMIT COORDINATOR:** Juliana W. Kyzar

**USGS TOPOGRAPHIC QUADRANGLE:** Lexington and Chesterfield Quads, 11 NE & 11 NW







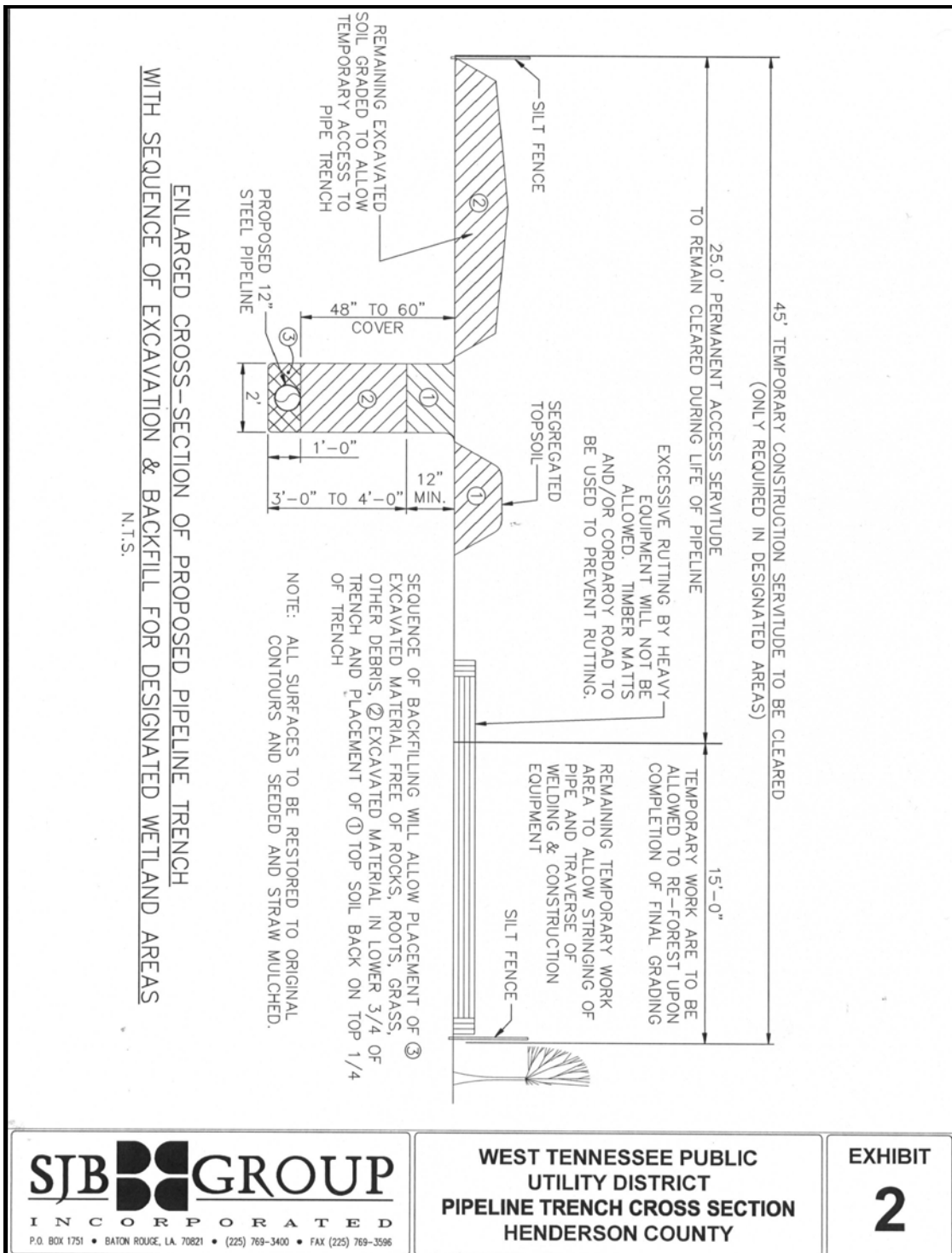


Figure 2: Pipe trench cross section, typical of wetland areas.

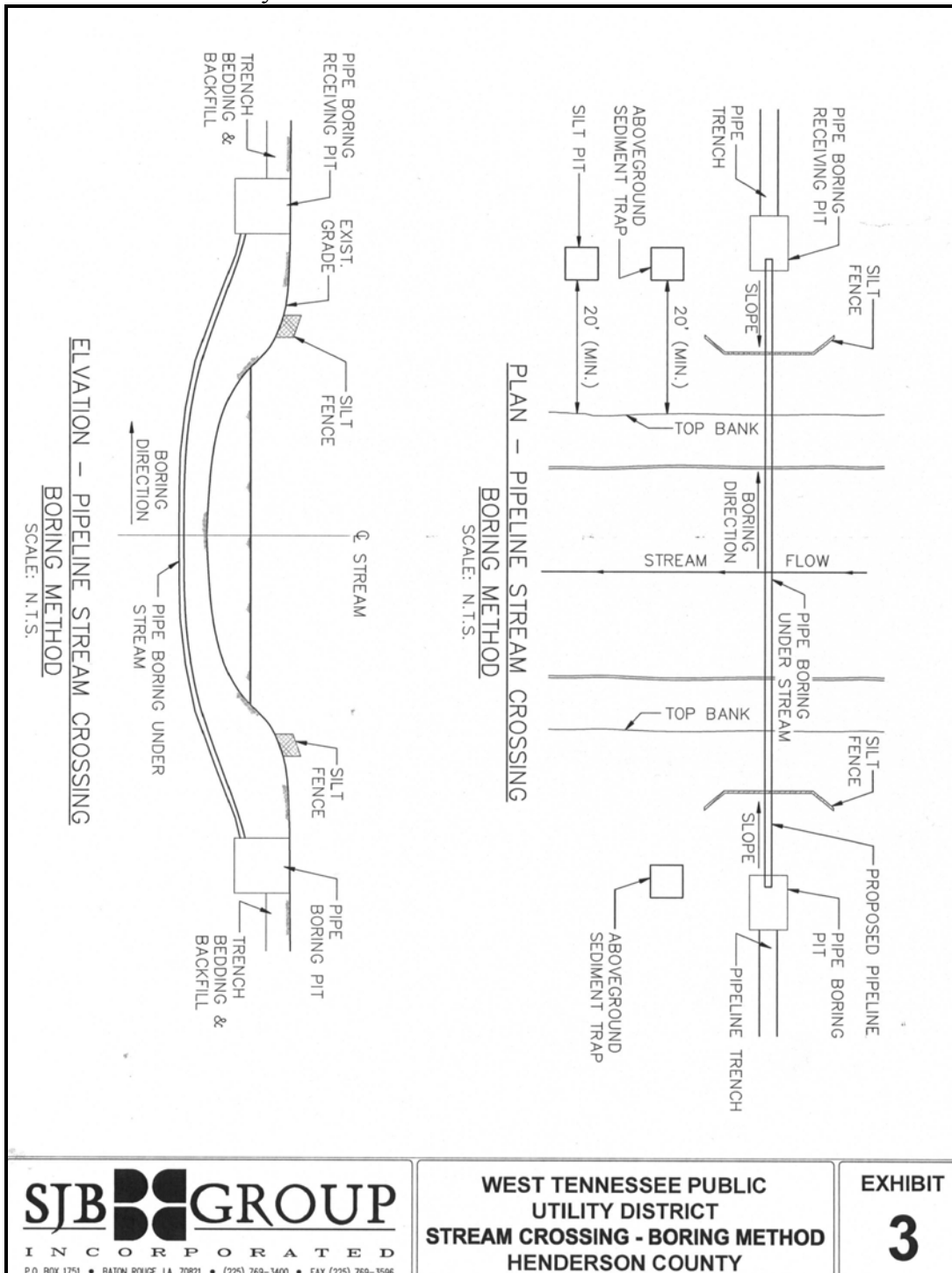


Figure 3: Stream crossing by boring method

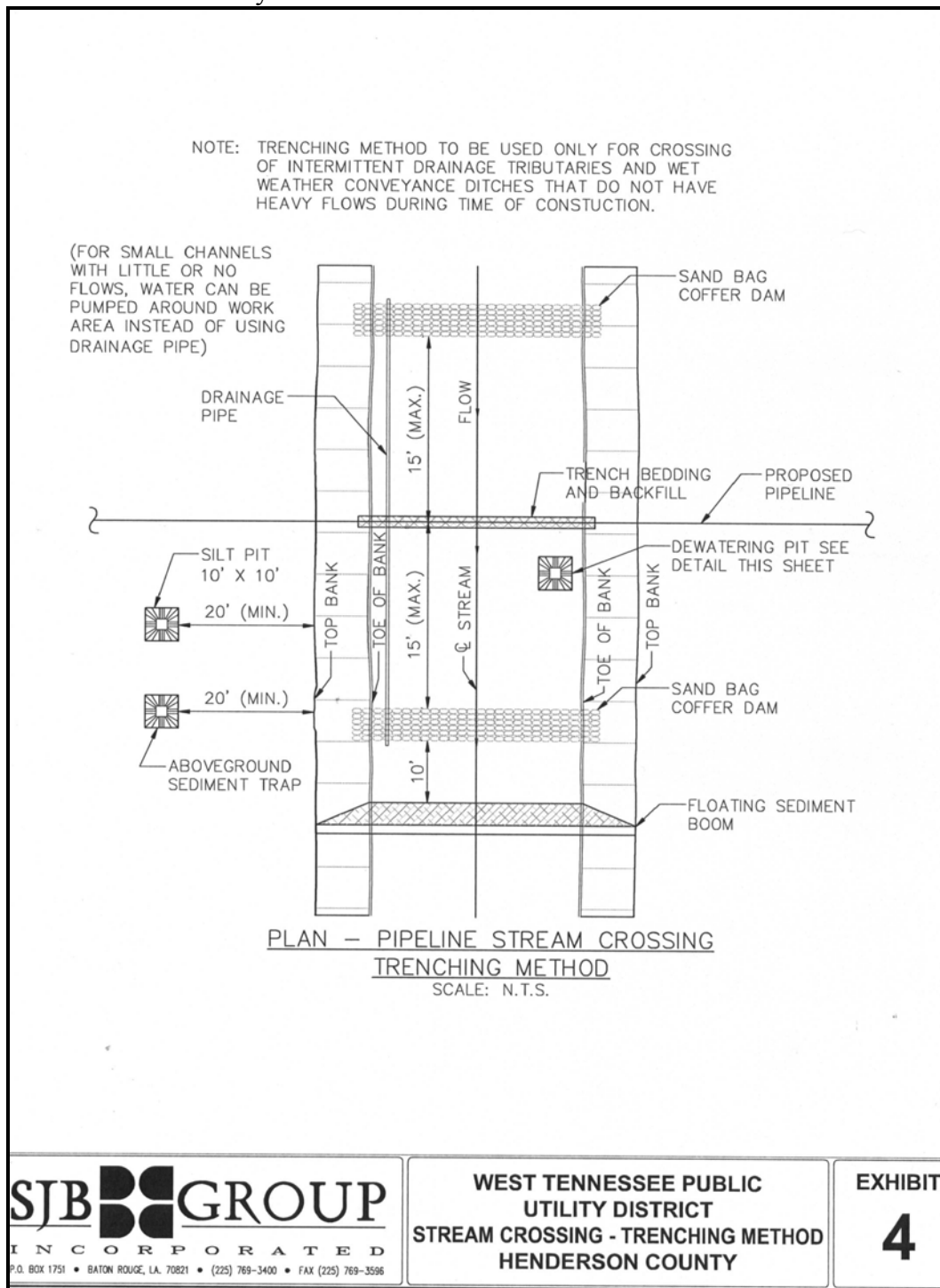


Figure 4: Stream crossing by trench method